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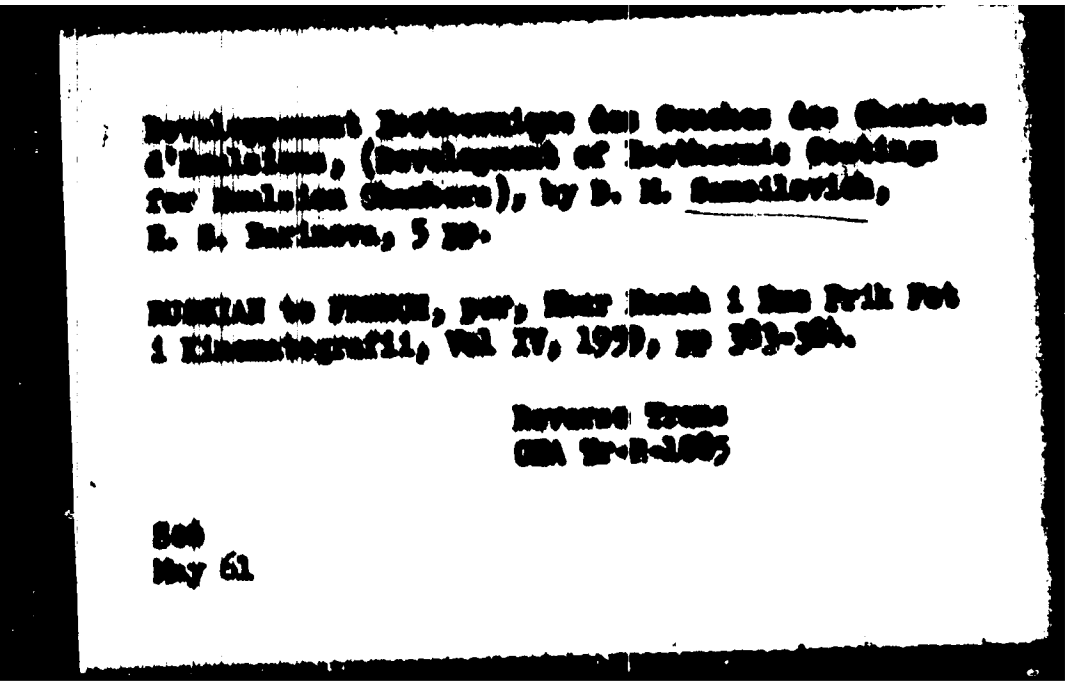

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Samoilovich, D. M., Barinova, E. S. and others.
INCREASING THE SPEED AND COMPENSATING THE DEVELOPMENT OF TYPE-R EMULSION MOUNTED ON THE SUPPORT. [1961] [3]p. 3 refs.
Order from OTS at SLA $1.10 61-18764

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1960, v. 5, no. 2, p. 142-143.

DESCRIPTORS: *Photographic emulsions, Photographic chemicals, High speed photography, Processing.

In order to equalize the development in the depth of the layer, as well as to increase the emulsion speed to the same level as obtained with the emulsion developed without support, alkali solutions were added to the emulsion before the coating to increase the pH to 6.5 - 6.7. Uniformity of tracks in the depth of the emulsion layer was entirely satisfactory. The emulsion (Materials--Photographic, TT, v. 6, no. 9) (over)

61-18764

I. Samoilovich, D. M
II. Barinova, E. S

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100090007-1

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907147 ~~CIA/PDD XX-864~~

Sci - Phys

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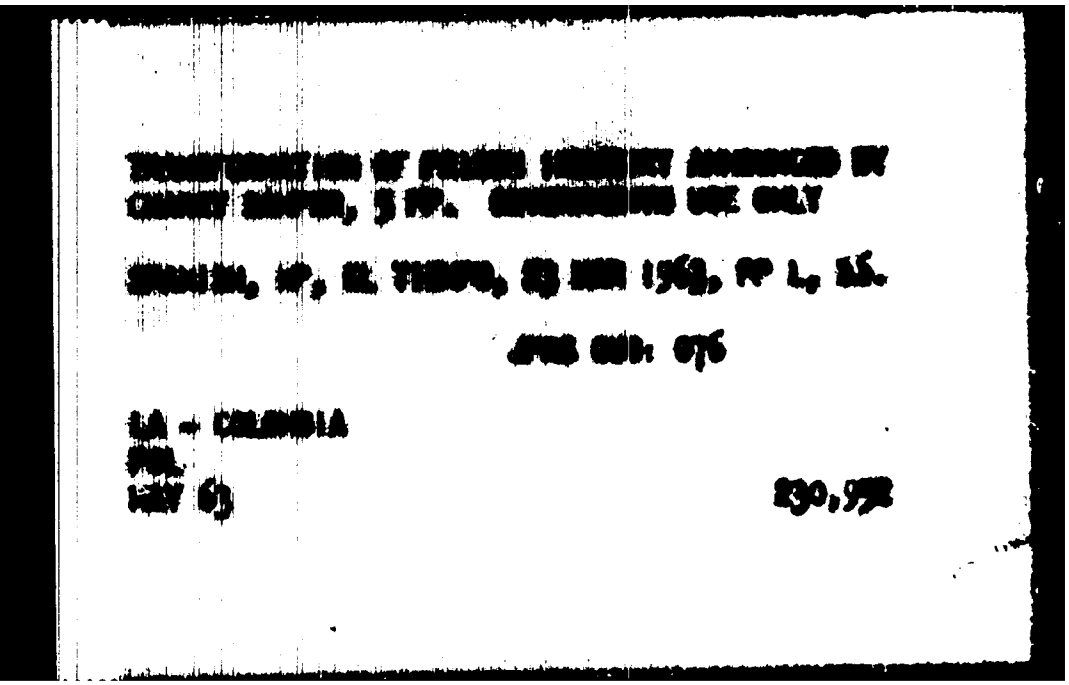

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DISTRIBUTION OF RADIATION IN A PLANE-PARALLEL LAYER AT AN ARBITRARY INDICATRIX OF SCATTERING. [1962] 7p. 12 refs
Order from OTS or SLA $1.10 62-14076

Trans. of Akademiya Nauk BSSR [Minsk]. Doklady [1959, v. 3, no. 5, p. 197-201].

DESCRIPTORS: *Light, Light transmission, Reflection, Scattering, Diffusion, Distribution, Mathematical analysis, Differential equations.

The radiation distribution in a plane-parallel layer is studied, proceeding from the transfer equation. If it is assumed that the radiation fluxes, which are distributed in a medium are completely diffused, this equation is reduced to two differential equations of the first order. These equations are used for solving the problems of angular relationship of light intensity
(Physics--Optics, TT, v. 8, no. 6) (over)

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